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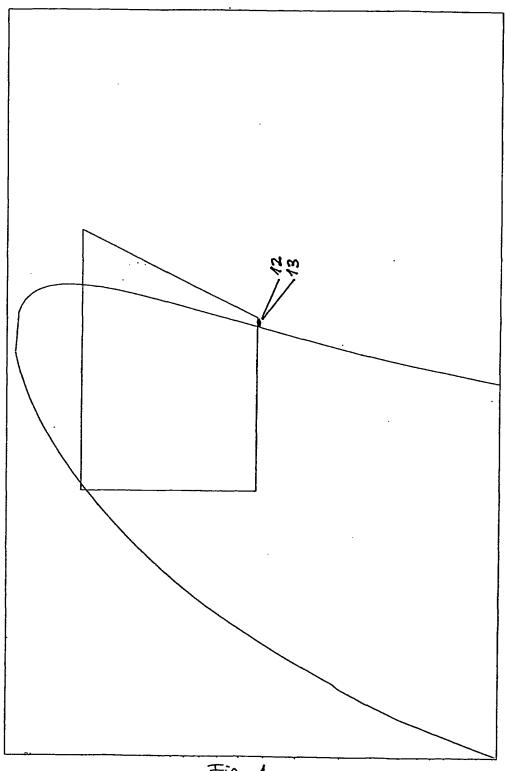


Fig. 1

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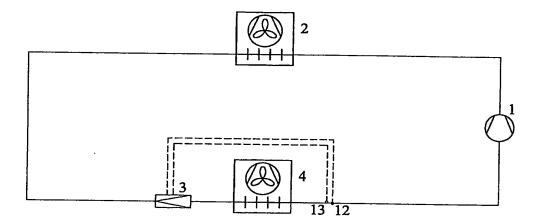
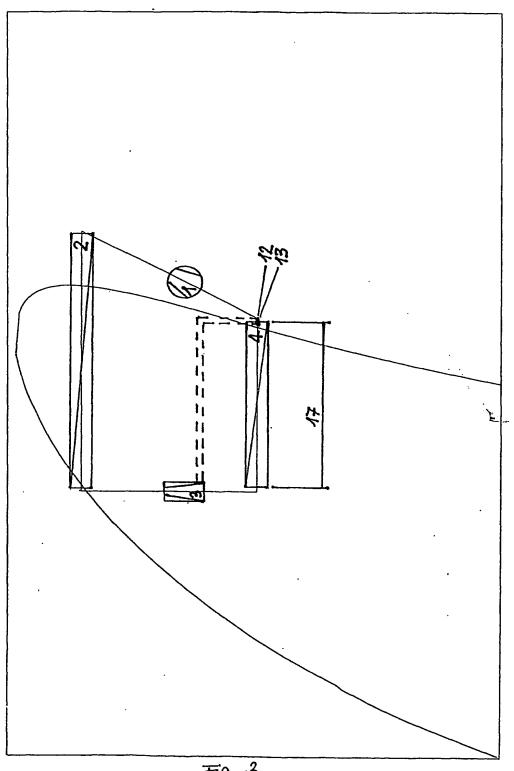
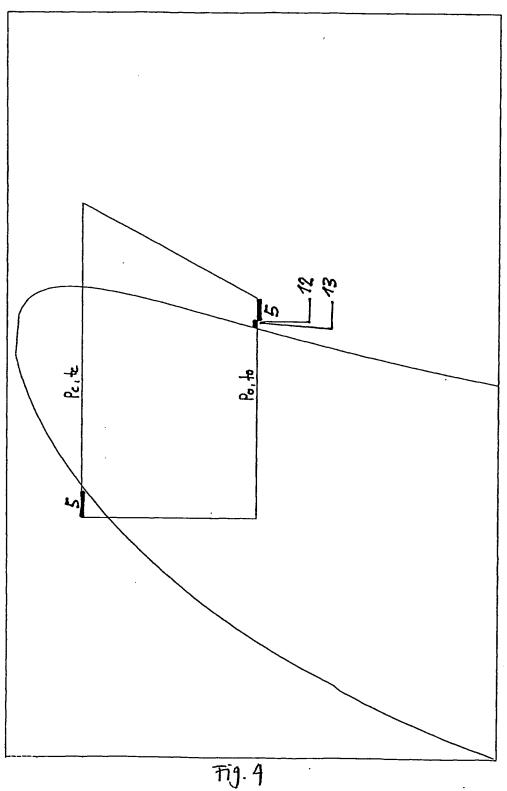


Fig. 2

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πg. 3



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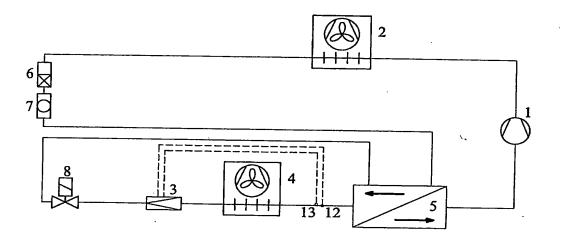
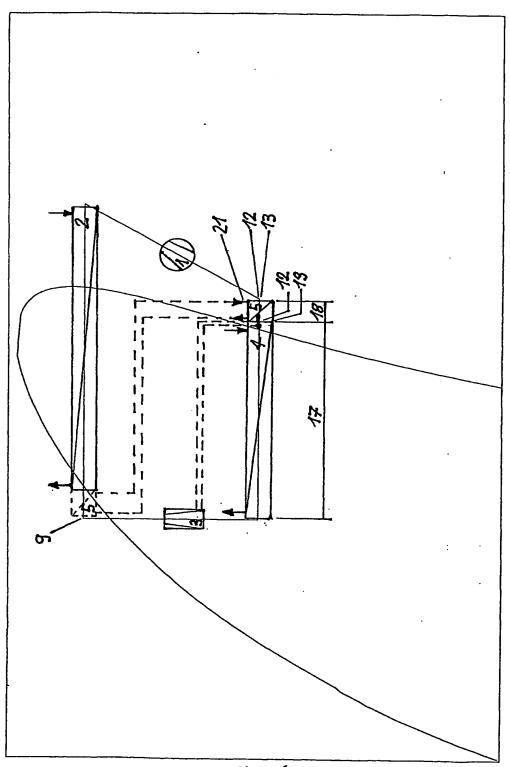
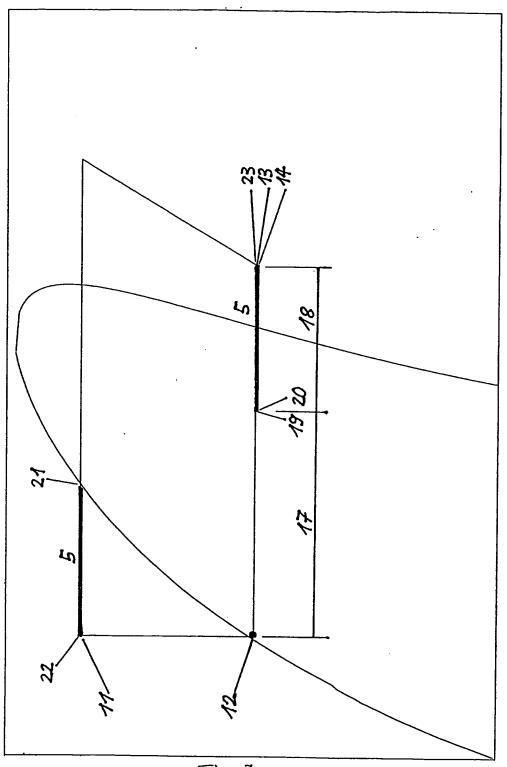


Fig. 5



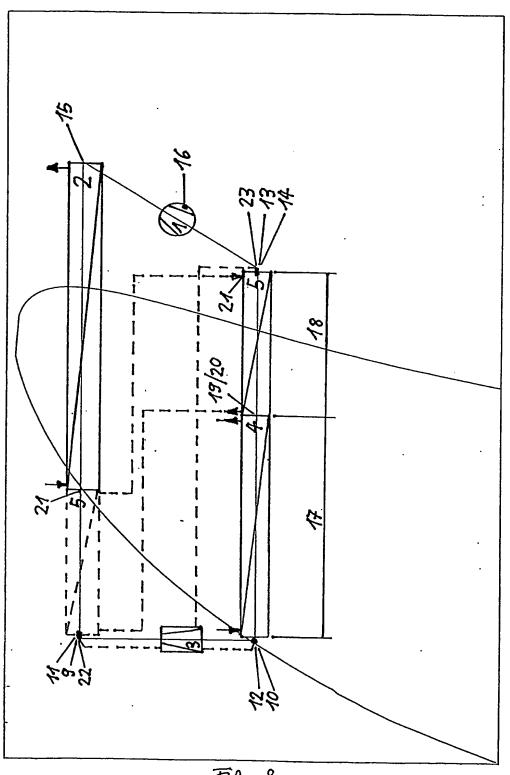
77.9.6



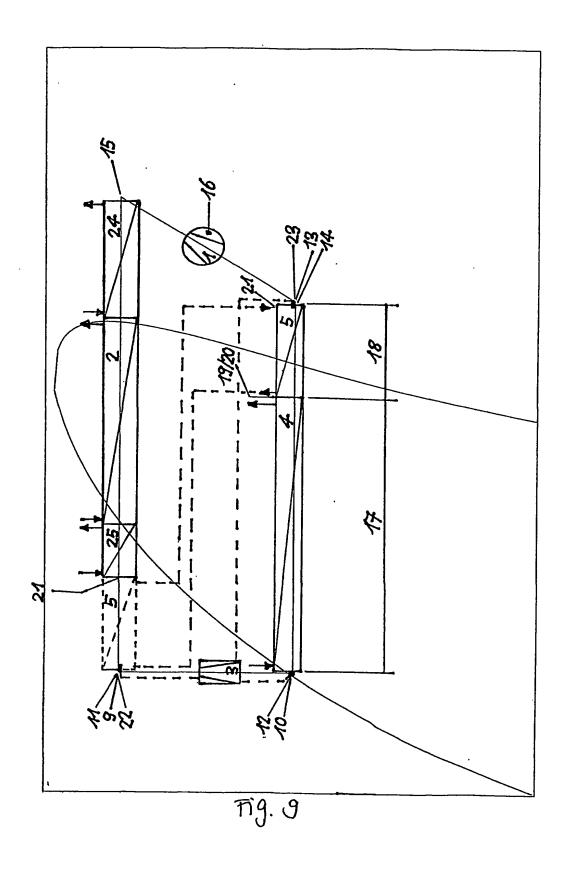
Tig. 7

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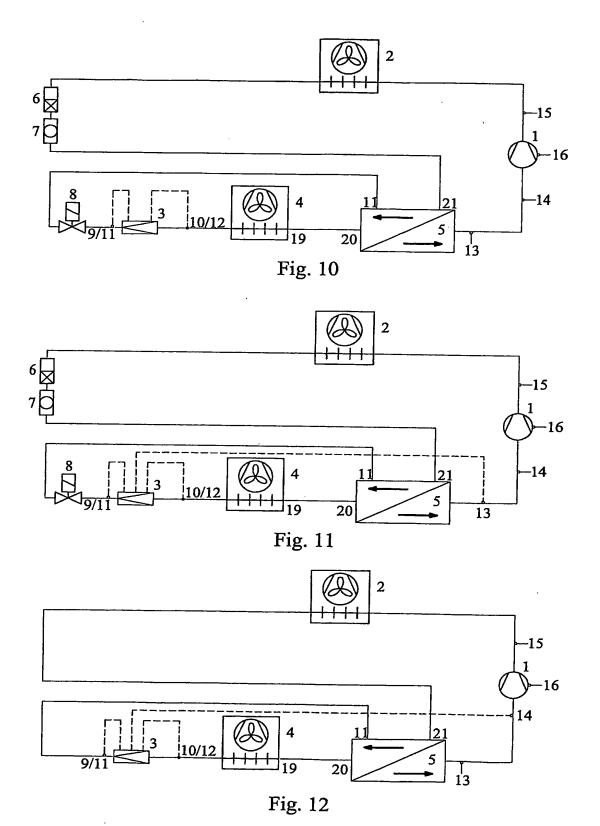
8/12

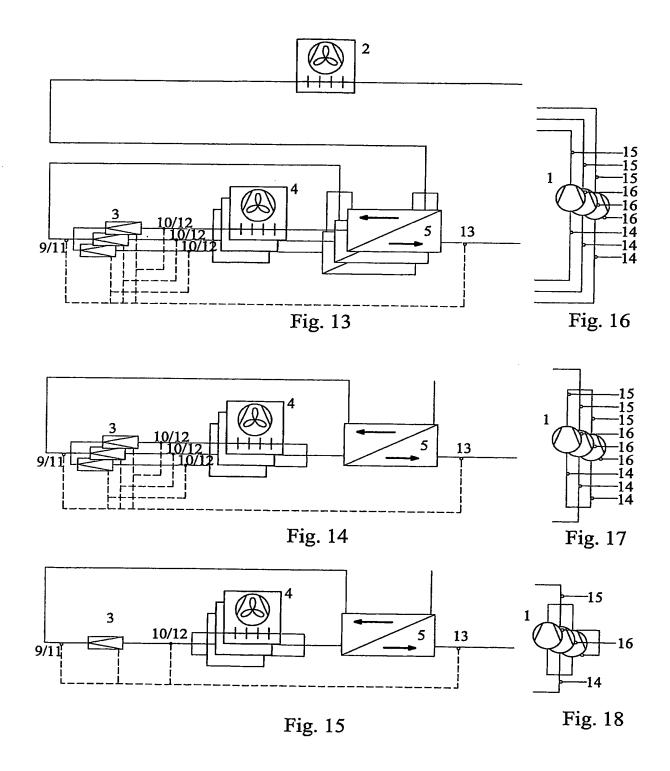


779. 8



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egen	d for t	the points from the drawings:
•	1	compressor
•	2	liquefier
	3	injection valve, expansion valve
•	4	evaporator
•	5	IHE (internal heat exchanger)
•	6	drier
•	7	inspection window
•	8	solenoid valve
•	9	temperature sensor at the liquid line
		upstream of the injection valve
•	10	pressure sensor at the evaporator inlet
		(process)
•	11	refrigerant liquid temperature upstream of
		the injection valve
•	12	suction vapor pressure, evaporation
		pressure
•	13	suction vapor temperature at the
		evaporator or IHE exit
•	14	suction vapor temperature at the
		compressor inlet
•	15	hot-gas temperature at the compressor
		outlet
•	16	compressor oil temperature
•	17	evaporation enthalpy (evaporator power)
•	18	IHE enthalpy (IHE power)
•	19	x point of the state of the refrigerant in
		the wet steam region (kg/kg), end of
	•	evaporator
•	20	x point of the state of the refrigerant in
		the wet steam region (kg/kg), IHE entry
•	21	IHE entry temperature of the liquid
		refrigerant
•	22	high pressure
•	23	suction pressure upstream of the
	0.4	compressor

24 deheater (optional)

external supercooler (optional) 25

Fig. 19